

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Tomihisa Saitou et al. : Art Unit:
 Serial No.: To Be Assigned : Examiner:
 Filed: Herewith :
 FOR: IMAGE READING APPARATUS, ITS :
 LIGHT SOURCE, AND SHADING :
 CORRECTING APPARATUS

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents
 Washington, D.C. 20231

S I R :

Prior to examination, please amend the above-identified application as follows

IN THE ABSTRACT:

Please replace the abstract with the new abstract below:

ABSTRACT


In an image reading apparatus using a contact image sensor, an area light source for reading an image from a film original is provided. The area light source has a light guide plate and an LED device in the center of a side surface on the shorter side of the plate. In the LED device, red-, green-, and blue-LED chips are mounted on the same package and red-, green, and blue- light are switched and lit. A white bottom plate covers the bottom surface of the light guide plate and a white case frame covers the four side surfaces. A scattering sheet is adhered to the upper surface of the white case frame, that is, a light emitting surface. On the rear surface of the light guide plate, light scatterers are formed by screen printing so that a specific pattern is drawn by high-reflectance white ink.

FOR "693650"

REMARKS

The abstract has been amended to meet the requirement that it be less than 150 words. No new matter has been added.

Respectfully Submitted,


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Dated: November 14, 2001

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Kathleen Libby

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VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE ABSTRACT:

ABSTRACT

In an image reading apparatus using a contact image sensor, an area light source for reading an image from a film original is provided. The area light source has a light guide plate and an LED device in the center of a side surface on the shorter side of the ~~light guide plate~~. In the LED device, red-, green-, and blue-LED chips are mounted on the same ~~LED~~-package and red-, green, and blue- light are switched and lit ~~on~~. In A white bottom plate covers the bottom surface of the light guide plate, ~~the bottom surface is covered with a white bottom plate and~~ a white case frame covers the four side surfaces ~~are covered with a white case frame~~. A scattering sheet is adhered to the upper surface of the white case frame, that is, a light emitting surface. On the rear surface of the light guide plate, light scatterers are formed by ~~a~~-screen printing ~~method~~ so that a specific pattern is drawn by high-reflectance white ink.

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